IN THE UNITED STATES PATENT AND TRADEMARK OFFICE FEE TRANSMITTAL LETTER

April 30, 2001

The Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application, including five (5) sheet(s) of drawing, of inventor(s): Ralph Spickermann

for: Programmable Optical Vector Modulator and Method for Use in Coherent Optical Communication

Applicant is a small entity \square ; large entity \boxed{x} The filing fee for this application is calculated below:

FOR:	CLAIMS AS FILED		RATE			TOTAL	
Basic Fee			\$	710.00	=	\$	710.00
Total Claims	20 - 20 = 0	times	\$	18.00		\$	0.00
Independent Claims	2 - 3 = 0	times	\$	80.00	=	\$	0.00
Multiple Dependent Claims	0	times	\$	270.00	=	\$	0.00
TOTAL FILING FEE						\$	710.00
Assignment Recording Fee	1	times	\$	40.00	==	\$ _	40.00
TOTAL FEES						\$	750.00

A cheque in the amount of \$ 750.00 is enclosed with this Application Transmittal Letter to cover the filing fees. This form is submitted in duplicate.

Respectfully submitted

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